

Igor Touzov 34185 Passive method of high vapor pressure stabilization

10/707,633

AMENDMENT TO THE CLAIMS

Claim 1 (Original)

A method of containment or enclosure that employs one or all of the following substances: porous materials; gels; materials with large surface area; porous particles. And wherein at least one of said substances contains vapor generating chemical(s) or liquid(s) contacting its surface by means of at least one of the following: adsorption; chemisorptions; capillary forces.

Claim 2 (Currently Amended)

Containment apparatus comprising a shell and a volume completely enclosed by said shell, wherein said volume also contains plurality of porous substances according to claim 1, and at least one of said substances exists in direct gaseous connection with said volume, and at least one of said substances exists in direct liquid communication with vapor generating liquid of claim 1 ~~that uses method of claim 1.~~

Claim 3 (Original)

Method of claim 1 used for packaging of items during their transportation by air, sea, or ground.

Claim 4 (Original)

Method of claim 1 that uses two or more distinctive types of said substances.

Claim 5 (Currently Amended)

Containment apparatus of claim 2 wherein at least two distinct forms of said substances exist in gaseous communication with said volume ~~that employs method of claim 4.~~

Claim 6 (Currently Amended)

Apparatus of claim 2 utilizing no external or internal energy source that for long- or short-term containment that does not have power source and maintains high partial vapor pressure at predetermined level above 98%.

Claim 7 (Currently Amended)

Containment apparatus of claim 2 that uses power source and maintains relative pressure of vapors at 98% or above ~~and has a source of saturated or oversaturated vapors.~~

Claim 8 (Original)

Containment apparatus of the claim 7 that is used for packaging and storage of micro fluidic devices or materials.

Claim 9 (Original)

Containment apparatus of the claim 7 that is used for transportation of items by air, sea, or ground.

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Claim 10 (Original)

Apparatus of the claim 6 that is used for transportation of items by air, sea, or ground.

Claim 11 (Original)

Method of the claim 4 used for packaging of items during their transportation by air, sea, or ground.

Claim 12 (Canceled)

Claim 13 (Canceled)